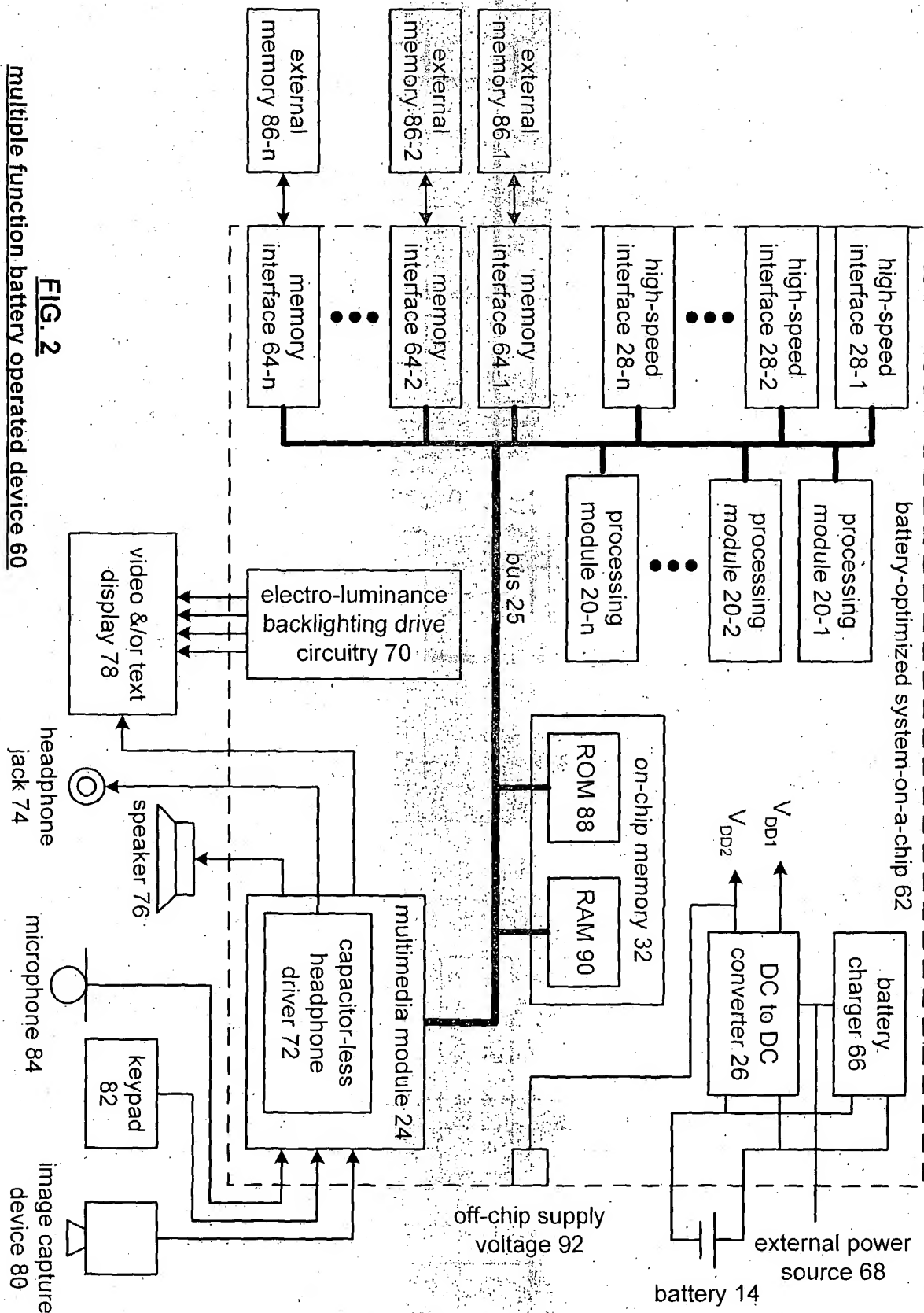


FIG. 1



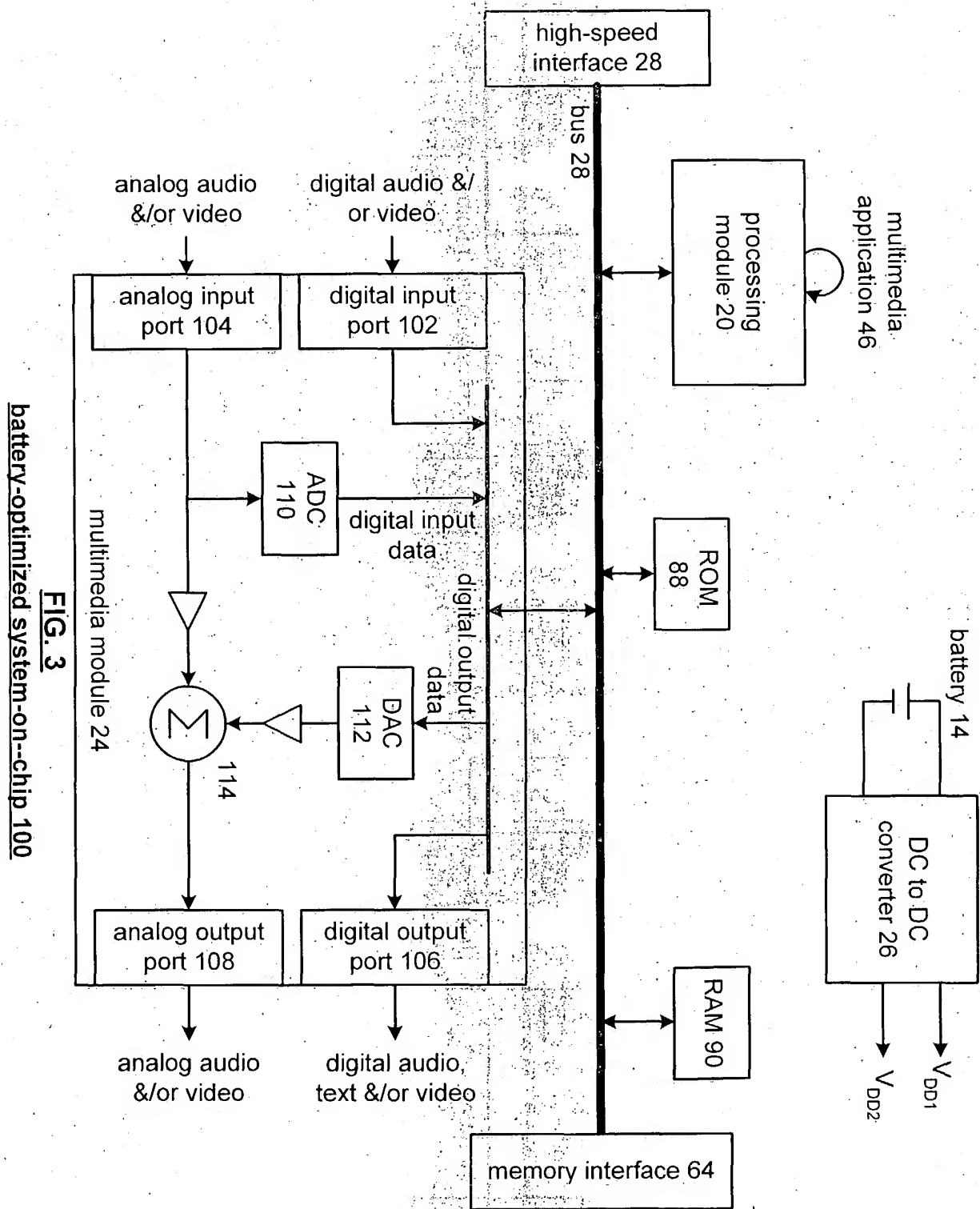


FIG. 3
battery-optimized system-on-chip 100

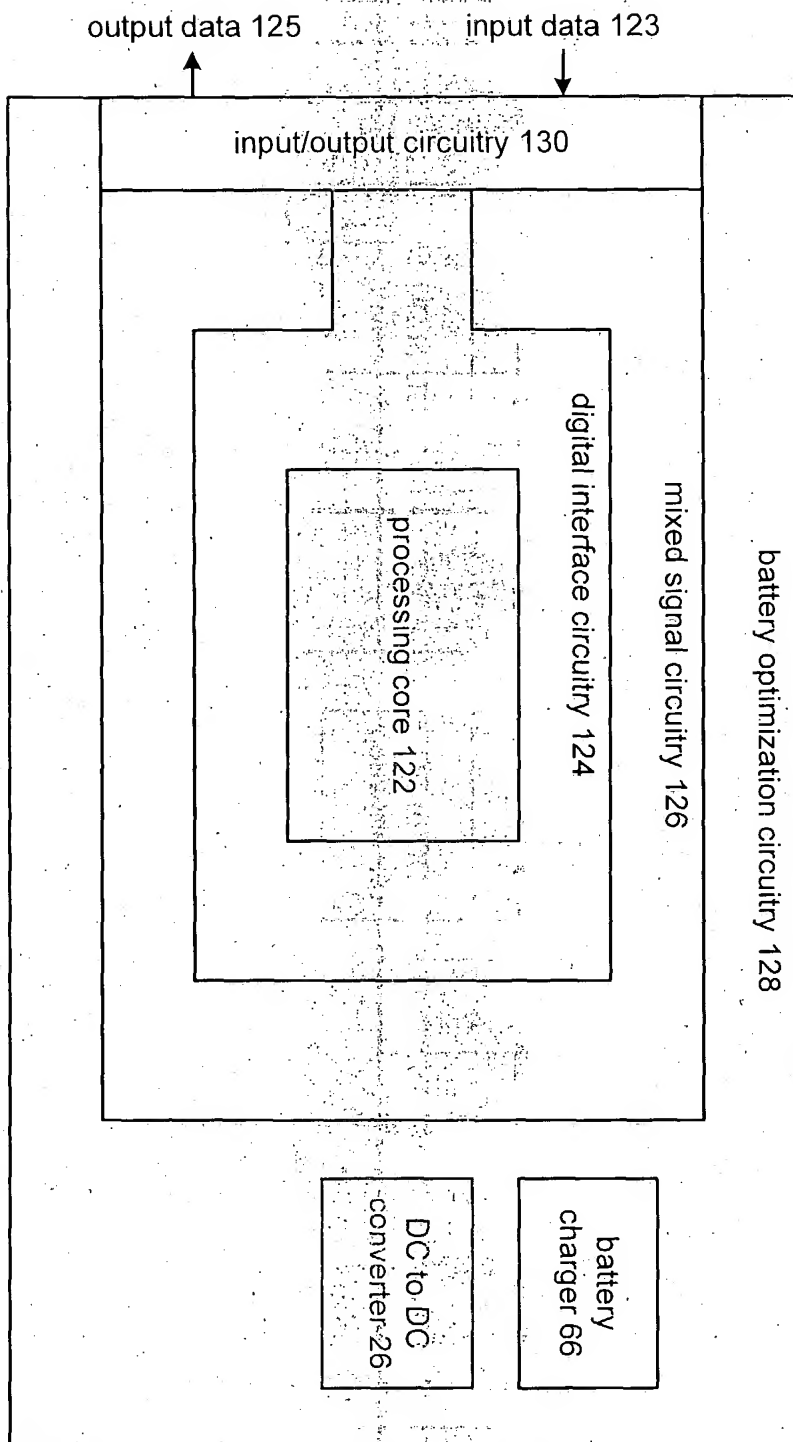


FIG. 4
comprehensive system-on-a-chip 120

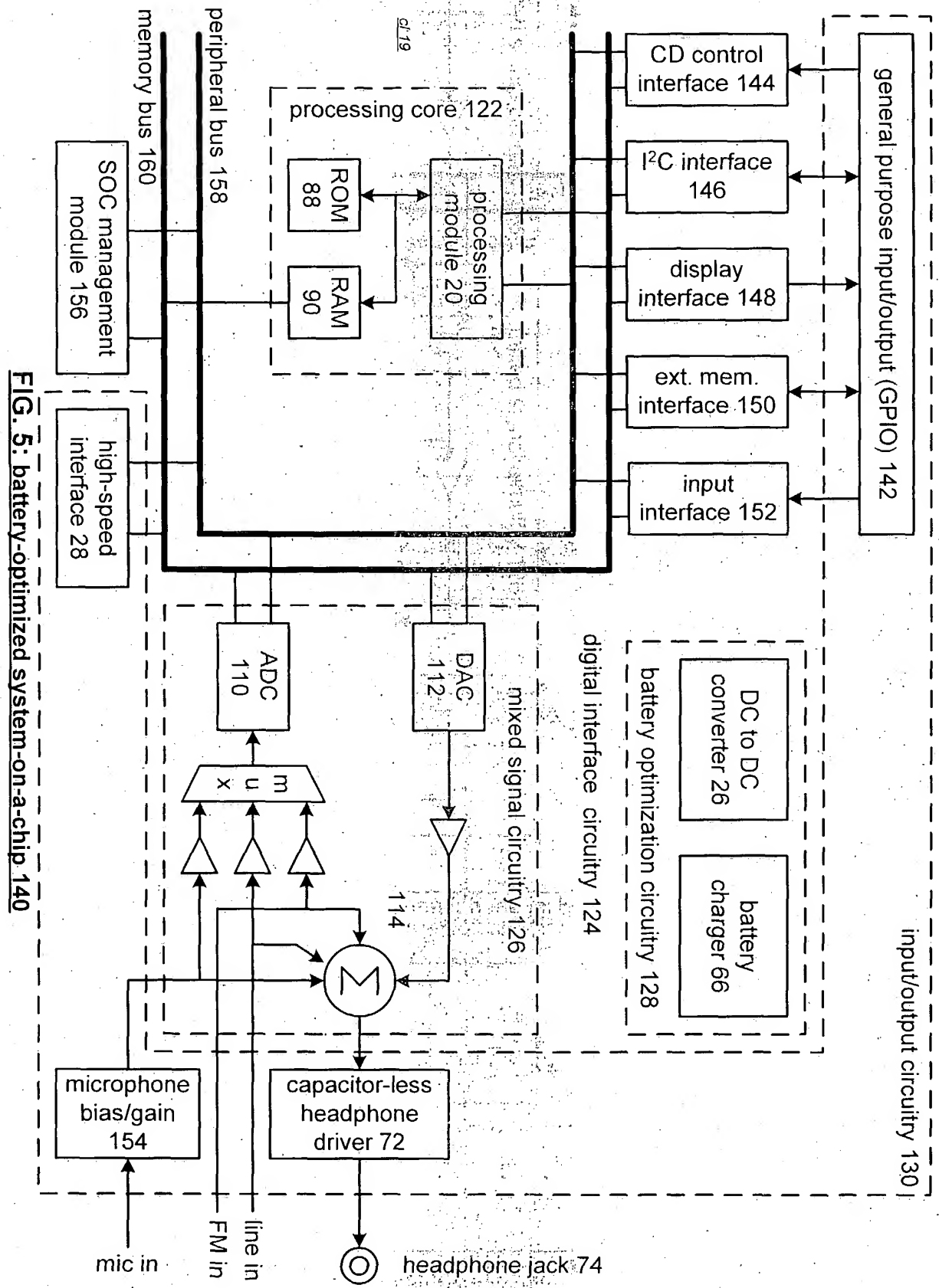


FIG. 6
capacitor-less headphone driver 72

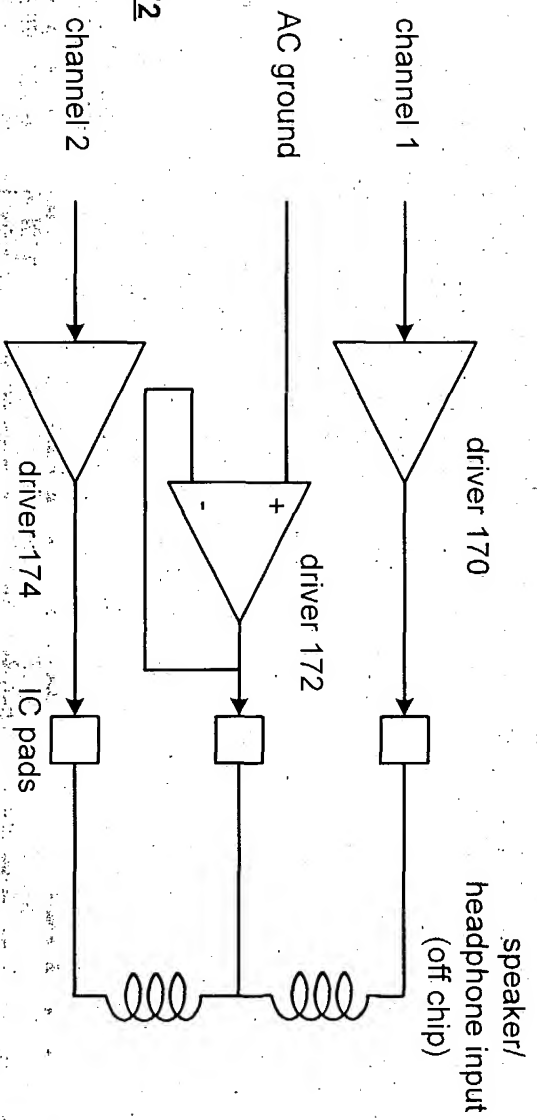
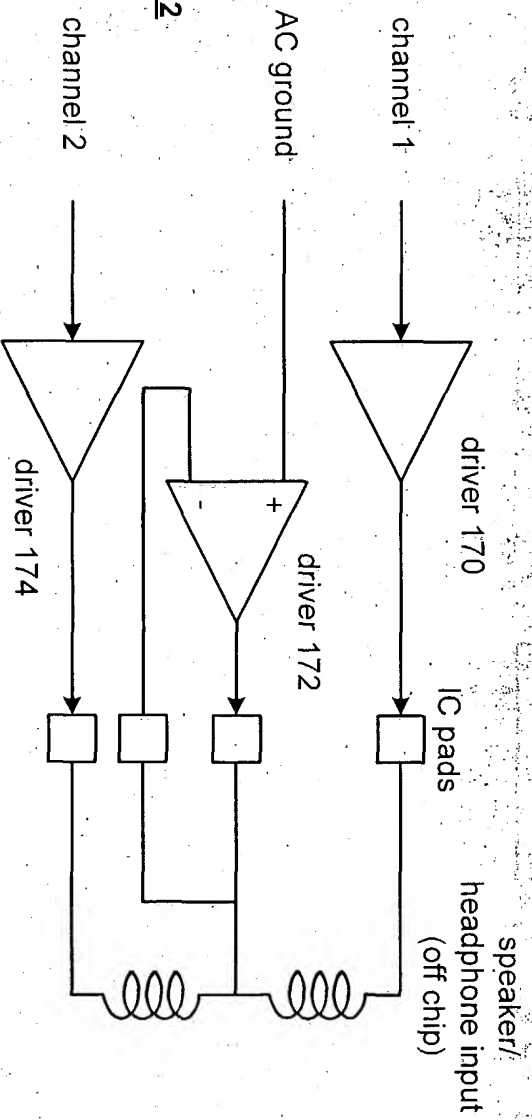


FIG. 7
capacitor-less headphone driver 72



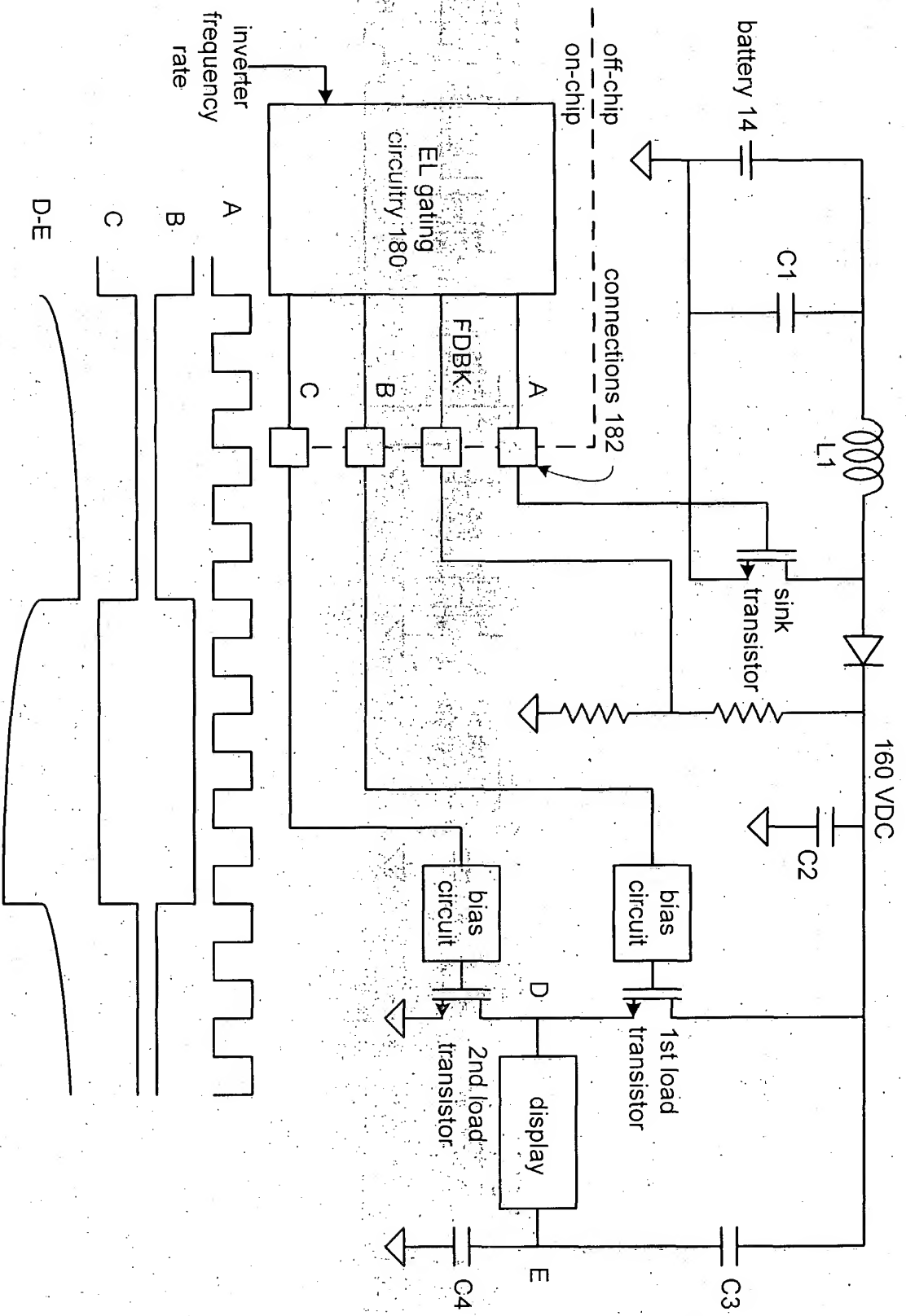


FIG. 8
EL backligthng drive circuitry 70